AcerView 79g

Color Monitor

17" (43.2cm) CRT Size,

16" (40.5cm) Max. Viewable Area

User's Manual

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Fill in here!!
For the convenience of service, write following related information of your monitor in the space below. The serial number is on the back of the product.
Monitor Information
Product Name: AcerView 79g
Serial Number:
Date of Purchase:
Dealer Information
Dealer:
Telephone
Number:
Address:

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Safety Instructions

1. The AC plug isolates this equipment from the AC supply.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Slots and openings in the cabinet and the back or bottom are provided for ventilation. They must not be blocked or covered. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
4. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
5. This product should be operated with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to make the necessary outlet changes.
6. Never push objects of any kind, or spill liquid of any kind into this product.
7. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other risks. If any above mentioned misuse or other accident (dropping, mis-operations) occurs, contact qualified service personnel for servicing.
8. Use only the proper type of power supply cord set (provided in your PC box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, VDE approved or its equivalent.
9. The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet shall be installed near the equipment and shall be easily accessible.

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FCC Class B

Radio Frequency Interference Statement

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution:

1. If you find some parts of the monitor display discolored due to magnetic fields generated by electrical facilities or appliances, turn off the monitor for at least 15 minutes. The degaussing circuit of the monitor will eliminate the discoloration.
2. Do not remove the monitor from its swivel base while the power is on to prevent discoloration. If discoloration occurs, follow the above-mentioned procedure for adjustment.
3. Shielded power cord and interface cable, if any, must be used in order to comply with the emission limits of FCC Class B digital device.

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CE Declaration

This monitor, AcerView 79g, complies with 72/23/EEC and 89/336/EEC modified by 92/31/ECC. These directives refer to EMC.

Canadian Department of Communications *Regulatory Statement*

This digital apparatus does not exceed Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

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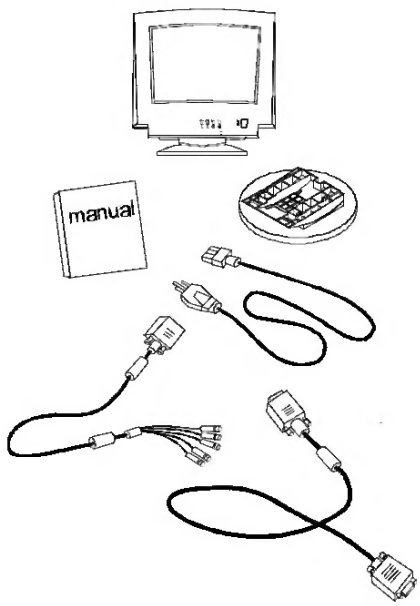
Introduction 1

Unpacking the Package

Check following items. If they are missing or damaged, consult your place of purchase immediately.

- ✓ Color monitor
- ✓ Swivel base
- ✓ User's manual
- ✓ Power cord
- ✓ 15-pin D-type signal cable
- ✓ BNC signal cable (optional)



Locate the model name and the serial number labeled on the back of your monitor. Write down the related information of your monitor and dealer in the space on page ii for future reference.

Features

Your AcerView 79g has the following features:

- ✓ **Aperture-grille tube**

  Applying aperture grille tube with 0.25mm aperture grille pitch and an anti-glare, anti-static coating, AcerView 79g color monitors offer strikingly sharp and crisp image quality.

- ✓ **Plug'n Play Compatibility**

  With its DDC1™ and DDC2B™, it is compatible with Plug'n Play feature of Windows95®.

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✓ **Flicker-free Image**

The monitor supports high refresh rates up to VESA's best recommendation.

✓ **Larger Viewable Size**

With its 16" viewable size, it offers a larger screen than other 17" monitors.

✓ **iScreen® (Intelligent Screen) Technology**

The On-Screen Display (OSD) allows you to adjust all settings simply with on-screen menus.

✓ **Power Saving Function**

The power management complies with VESA DPMS standard. When the system is idle (off mode), the monitor automatically cuts its power consumption up to 95%.

✓ **Green Commitment**

Your monitor is packaged in recycled packing materials and no CFCs are used in the manufacturing process. It is in compliance with the US government's Energy Star standards and the rigorous standards of the Scandinavian countries.

Power Management

The power management of this monitor complies with these VESA power saving modes:

Mode	Power Consumption	Horizontal Sync	Vertical Sync	LED
On	Normal	On	On	Green
Stand-by	< 15 W	Off	On	Amber
Suspend	<15 W	On	Off	Amber
Off	<5 W	Off	Off	Amber Blinking
Override	Normal	Off	Off	Green

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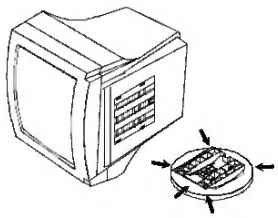
Getting Started 2

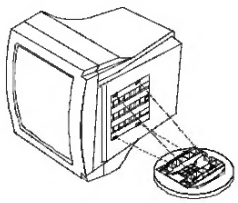
Installing the Swivel Base

1. Place the monitor on its side.

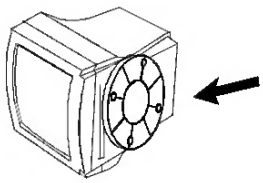


1. Locate the arrow and the four slots at the bottom of the monitor.

2. As directed by the arrow inscribed on the swivel base, insert the four pegs on the base into the slots at the bottom of the monitor.



3. Push the swivel base gently toward the front of the monitor until it is locked.



4. Place the monitor back to its normal position.

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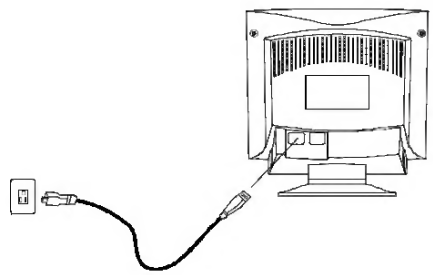
Installing the Monitor

This monitor is equipped with an autosensing power supply for voltage ranges 90~264V, AC 47~63Hz.. Please confirm the line voltage designation at the rear panel of the monitor before connecting the machine.

1. Make sure that the system power is turned off.
2. Please refer to the instructions below to connect the signal cable through D-SUB or BNC.
3. Connect the power cord to the monitor and attach it to power source.
4. Turn on the computer and the monitor.

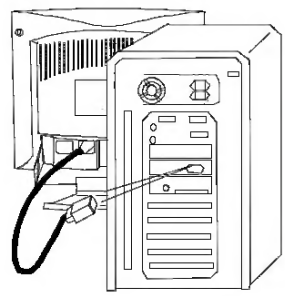


Connecting the Signal Cable

Your AcerView 79g provides both D-SUB and BNC signal connectors. The D-SUB or BNC signals can automatically be detected by its microprocessor.

Connecting through D-SUB signal connector

1. Make sure that the system power is turned off.
2. Connect the computer end of the D-SUB cable to the 15-pin output connector on the video board of your computer.
3. Connect the monitor end of the D-SUB cable to the D-SUB receptacle on the back of the monitor.



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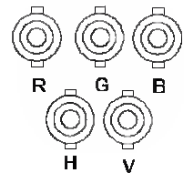
Connecting through BNC signal connector



1. Make sure that the system power is turned off.
2. Connect the computer end of the BNC cable to the output connector on the video board of your computer.
3. Connect the monitor end of the BNC cable to the BNC receptacle on the back of the monitor.

☞ *If you connect the monitor to an Apple Macintosh through a D-Sub cable, you need to buy a Macintosh adapter to connect the video signal port of your computer and the monitor signal cable.*

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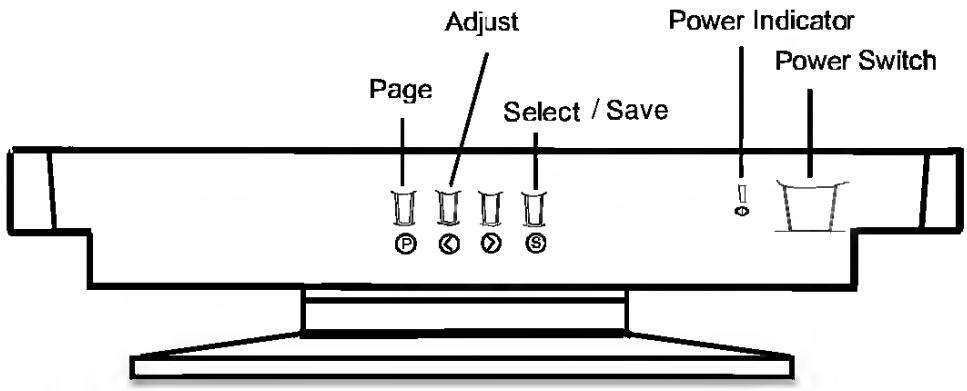
Adjusting the Monitor 3

A Look at the Control Panel



Adjusting the Monitor

You can adjust the monitor with the On-Screen Display (OSD) menus. There are four keys for user's control. They include Ⓟ, ⓿, ⓿, Ⓢ. The following is the introduction:

Panel key introduction:

Ⓟ **"P" key** is used for page selection or for change of feature between function selection and adjustment which the user wants to check and/or adjust..

⓿ **key** is used to select the function in each page or to adjust the parameter setting to a lower value.

⓿ **key** is used to select the function in each page or to adjust the parameter setting to a lower value.

Ⓢ **"S" key** is used to save new settings, to clear the "on screen display" or to access selected functions.

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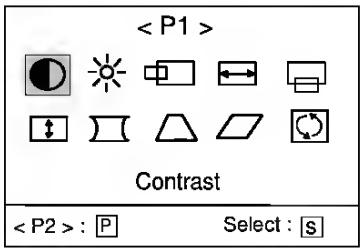
Selecting page and making adjustments

Grouped by functions, the OSD offers five pages for making adjustments: Display Control, Degaussing, Color Weighting, User Mode Display, Convergence, Moire adjustments & Connector Select. The following describes the contents of each page and how you could make adjustments.

Page 1 Display control

This page contains 10 control functions represented by different icons. Follow steps below to make your favorite adjustments. For description of each function, see below.



1. Press Ⓟ to locate the page.
2. Press Ⓚ or Ⓛ to locate the desired function icon.
3. Press Ⓢ to select the icon.
4. Press Ⓚ or Ⓛ to adjust the setting.
5. Press Ⓢ to save the setting.
6. Repeat the steps above to change other settings.

Function Icons

Contrast adjusts the difference between the light and dark areas.

Brightness adjusts the brightness of the display.

H. Position adjusts the horizontal position of the display.

H. Size adjusts the display width.

V. Size adjusts the vertical display height.

Pincushion controls the straightness of the vertical edges of the display.

Trapezoid makes the vertical edges of the display parallel.

Parallelogram corrects image distortions.

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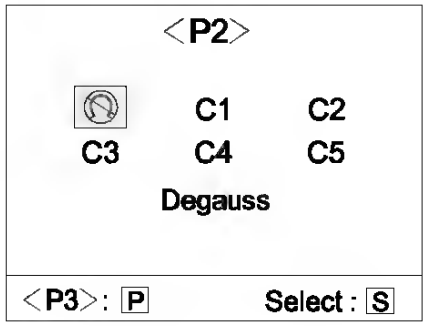
V. Position adjusts the vertical position of the display.

Tilt (Rotation) corrects the slanted screen.

☞ *In the event that the display is distorted due to magnetic field interference, turn off the monitor for 15 minutes. Then power on.*

Page 2 Degaussing and Color Weighting

Degaussing corrects display distortion or discoloration caused by magnetic field interference. **Color weighting** allows you to set five default factory color settings (C1 to C5). You can adjust the settings manually by entering any default factory color setting.



To degauss:

1. Press Ⓟ to locate the page.
2. Press ⓚ or ⓛ to locate the function icon .
3. Press Ⓢ to select the function and degauss.
4. Press Ⓢ to save the status.

To adjust color weight:

1. Press Ⓟ to locate the page.
2. Press ⓚ or ⓛ to locate the default setting you prefer (C1-C5).
3. If you want to select the factory default, press Ⓢ three times to select the setting. If you want to adjust it manually, go to next step.
4. Press Ⓢ to select a factory default.
5. Press ⓚ or ⓛ to select one of the red, green blue adjustment.

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6. Press ⓚ or ⓛ to make the adjustment.
7. Press Ⓢ to save the setting.

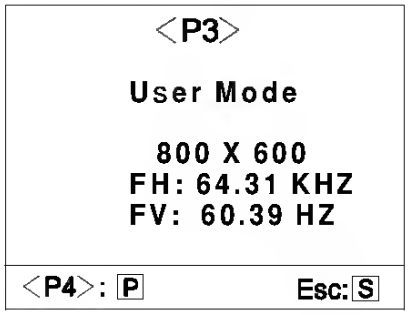
☞ *You can return to any of the five factory defaults by re-selecting the setting icon.*

Following is the setting of each factory default:

Factory Default	Color Temperature
C1	9300K
C2	6500K
C3	5500K
C4	7100K
C5	11500K

Page 3 User Mode Display

This page shows the current resolution, horizontal and vertical frequency status.



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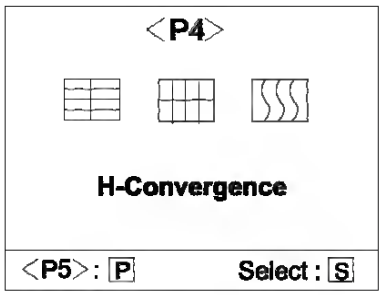
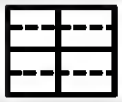
Page 4 Convergence & Moire Adjustment

This page is defined as horizontal convergence, vertical convergence and horizontal moire adjustment. The operation procedure are as follows:

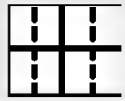


1. Press Ⓟ to locate the page.
2. Press ⓚ or ⓛ to locate the function icon.
3. Press Ⓢ to select the icon.
4. Press ⓚ or ⓛ to adjust the setting.
5. Press Ⓢ to save the setting.
6. Repeat the steps above to change other settings.

Function Icons



H-Convergence adjusts the difference between the light and dark areas.



V-Convergence adjusts the vertical convergence.

H-Moire adjusts the horizontal moire.

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QUESTION: What is Convergence?

ANSWER: Convergence is the monitor's ability to precisely illuminate specific phosphors and line them up properly in order to produce pure color. Displayed characters and images may appear fuzzy or have tinges of red , green, or blue if the electron beams do not converge correctly.

☞ *The convergence adjustment adjusts the entire screen. It is not possible to limit adjustment to specific screen areas.*

AcerView 79g offer convergence adjustment feature. To properly adjust convergence, it is best to have an image that make it easy to see any convergence error. A black background with white letters or lines is recommended. When adjusting convergence, look at the adjustment across the whole screen. When adjusting horizontal convergence, look at the left and right edges of vertical lines or characters. When adjusting vertical convergence, look at the top and bottom edges of horizontal lines or characters. Proper adjustment is when the effect of red and blue tinges are minimized.

QUESTION: What is Moire?

ANSWER: Moire refers to an interference pattern of dark wavy lines on the screen. It is an interference phenomenon caused by the relationship between the phosphor layout and the imaging signal. In fact, it is often considered an indication of good focus level.

☞ *It is especially noticeable when using a light-gray or every-other-dot pattern. Moire cannot be eliminated. However, it can be reduced with the moire reduction feature.*

Moire can be reduced by adjusting the iscreen moire reduction function. Prior to adjustment, set the desktop to an every-other-dot pattern so that moire will be visible. After this adjustment, make changes to a different desktop background in order to reduce moire even further.

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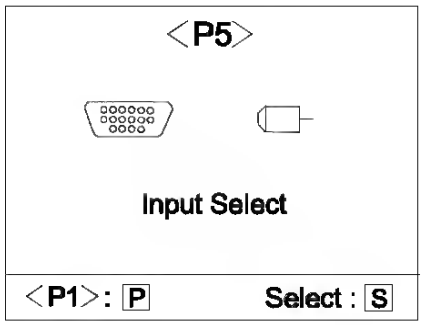
Page 5 Input Connector Select

This page is defined as input connector select . There are two connectors for selection, one is BNC, the other is DB-15. Both of them are capable of automatically detecting used connector (either BNC or DB-15) and show it highlighted on the window. If the two connectors are connected simultaneously, user can press the "Ⓚ" or "Ⓛ" and "S" key to select the desired connector.



1. Press Ⓟ to locate the page.
2. Press Ⓚ or Ⓛ to locate the desired function icon.
3. Press Ⓢ to select the icon.
4. Press Ⓢ to save the setting.

Function Icons

DB-15 Connector

BNC Connector

Timing Setting

By making adjustments of your video card settings, you can set the timing and the refresh rate to your preferences. The monitor will automatically save the settings. Your monitor can accept vertical frequency ranging from 50 Hz to 160 Hz and horizontal frequency from 30 KHz to 95 KHz.. However, due to different video card and different resolution settings, we recommend that you do not exceed the maximum refresh rate, 160 Hz for vertical frequency and 95KHz for horizontal frequency to avoid possible damages to your monitor.

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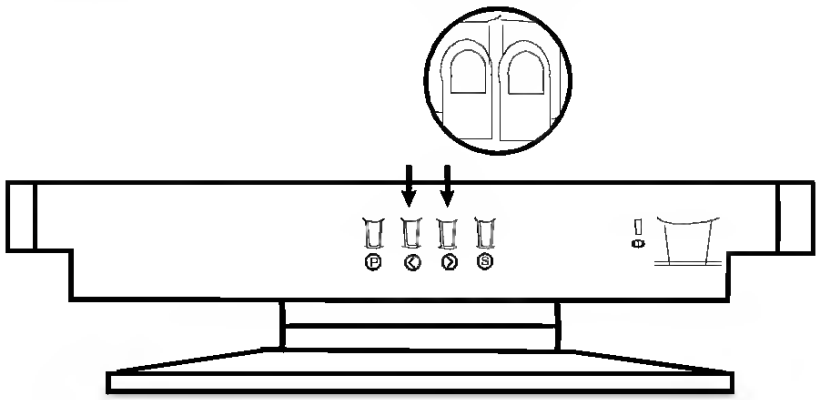
Resolution	Recommended Maximum Vertical Refresh Rate (Hz)
640 x 480	160
800 x 600	149
1024 x 768	117
1280 x 1024	88

☞ *To set the timing and the refresh rate, see the user's guide of your video card.*

Reset to Defaults

Press ⟨ and ⟩ simultaneously to reset the monitor to the default factory settings.



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Factory Preset Timings

Mode	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (KHz)
VGA	640 x 400	70	31.47
VGA	640 x 480	60	31.47
VGA	640 x 480	75	37.50
VGA	640 x 480	85	43.27
SVGA	800 x 600	75	46.88
SVGA	800 x 600	85	53.67
Ultra VGA	1024 x 768	70	56.48
Ultra VGA	1024 x 768	75	60.02
Ultra VGA	1024 x 768	85	68.68
VESA	1152 x 864	75	67.50
VESA	1280 x 960	85	85.94
WS7	1280 x 1024	75	79.98
WS8	1280 x 1024	85	91.15

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Troubleshooting and Useful Hints

4

Troubleshooting

Make sure that your monitor is properly installed. If you have encountered any trouble in using this product, for hardware installation problems, see **Chapter 2, Getting Started.** If the problems persist, check this chapter for possible solutions. If you cannot find AcerView 79g on the Windows 95 monitor list, you would have to update the Windows 95 setup information for AcerView 79g. You can download the update file from the API web site (http://www.api.com.tw)

✓ If there is no picture on the screen, check:

- ❑ Power outlet type.
- ❑ Video sync signal. The video sync signal must be specified for the monitor.
- ❑ Power saving mode. Press any key & use the mouse to deactivate the mode.
- ❑ Signal cable connector pins. If pins are bent or missing, consult your dealer.

✓ If the picture is scrolling or unstable, check:

- ❑ Signal connector pin assignments. Replace with a functional one if inoperative.
- ❑ Signal cable connector pins. If pins are bent or missing, consult your dealer.
- ❑ Graphics card. See if the settings are made properly.
- ❑ Scanning frequency. Change the settings of your graphics card to acceptable options.
- ❑ Remove magnetic objects near the monitor.

✓ If the characters look dark, the picture is too small, too large, not centered & etc.

- ❑ Adjust related settings. See **Chapter 3, Adjusting the Monitor.**

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✓ If colors are impure:

- ❑ Check signal cable connector pins. If pins are bent or missing, consult your dealer

✓ If faint black vertical lines are visible on the screen:

- ❑ The aperture grille may be mis-aligned. Shock or vibration during transport may, in some cases, cause the aperture grille to fall out of alignment. The problem will appear as one or more faint black lines across the screen. If this problem occurs, it may be solved by either degaussing the screen or by lightly tapping (do not hit) the side of the monitor.

However, if neither of the above methods work, attempt the following:

a.) Display a black field over the unaffected areas and a bright white field over the area where the black line(s) appear. Do so by opening a bright-white window on top of a black desktop or wallpaper background. Position the window so that it just cover the area of assignment.

b.) Set brightness and contrast to maximum values. Keep the display **on** until the problem is solved. Try tapping (again, do not hit) the side of the display lightly to expedite realignment. The white field will heat up the mis-aligned area of the grille, returning it to proper alignment.

✓ If there are two horizontal hairlines visible on the screen:

- ❑ It is not a defect. These are dampening wires which are used to support the CRT's aperture. They are visible as thin dark lines across the screen.

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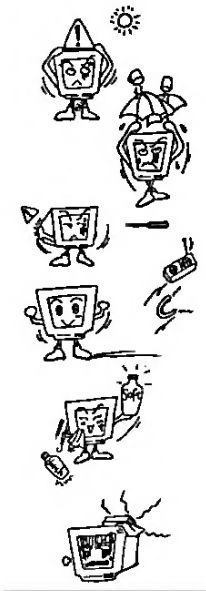
Maintenance

- ✘ Do not expose the monitor to direct sunlight or heat.



- ✘ Do not spill liquid on the monitor. ✘
- ✘ Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your dealer. ✘
- ✘ Do not use your monitor when magnets or electronic products are operating nearby. ✘
- ✘ Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it with mild solution applied on clean & soft cloth. ✘
- ✘ Do not place anything on your monitor. Bad ventilation may elevate temperature within the monitor. ✘

Need More Help?

If your problems remain after checking this manual, please contact your place of purchase or e-mail us at: stevenleung@api.com.tw

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Specifications 5

Picture Tube	
Size	17" (43.2cm) diagonal
AG Pitch	0.25mm Aperture-grille pitch
Surface Transmission	Non-glare/semi-tinted
Maximum Viewable Size	16" (40.5cm) diagonal
Video Input	15-pin, mini D-SUB Connector/BNC Connector
Bandwidth	160MHz
Display Area	300mm(H) x 225mm(V) (Preset) 328mm(H) x 242mm(V) (Full Scan)
Power Supply (Universal)	
Input voltage	90~264 VAC, 47~63 Hz
Power consumption	130 Watts (max.)
External Controls	Power Switch, Contrast, Brightness, Horizontal Position, Horizontal Size, Vertical Position, Vertical Size, Pincushion, Trapezoid, Parallelogram, Tilt, Color Weight, Degaussing, Horizontal Convergence, Vertical Convergence, Horizontal Moire, BNC and DB-15 Selection & Reset.
Recommended Resolution	1280 x 1024
Horizontal Frequency	30-95 KHz
Vertical Frequency	50-160 Hz
Dimensions (with stand)	422mm(W)x420mm(H)x440mm(D)
Weight	23Kg
Ambient Temperature	
Operating	+5°C ~ +40°C
Storage	0°C ~ +60°C
Humidity	
Operating	20% ~ 90%
Storage	10% ~ 90%
X-Radiation	MPR-II, DHHS, PTB, D.N.S.F.
Regulatory Compliance	FCC-B, UL, FTZ-B, CSA, BZT-B, CE, TÜV, VCCI, GS, ISO-9241-3, TCO95(Optional)

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